

# Igneous Rock

- The word *igneous* comes from the Latin word for “\_\_\_\_\_”.
- Magma cools into different types of igneous rock depending on the \_\_\_\_\_ of the magma and how long it takes the magma to solidify.
- Magma “freezes” or solidifies between \_\_\_\_\_°C and \_\_\_\_\_°C.

## Three ways magma can form:

- \_\_\_\_\_ in temperature
- \_\_\_\_\_ in pressure
- \_\_\_\_\_ in composition

## Types of igneous rock based on composition:

- \_\_\_\_\_ – \_\_\_\_\_ in color  
less dense  
contain silicon, aluminum,  
sodium and potassium
- \_\_\_\_\_ – \_\_\_\_\_ in color

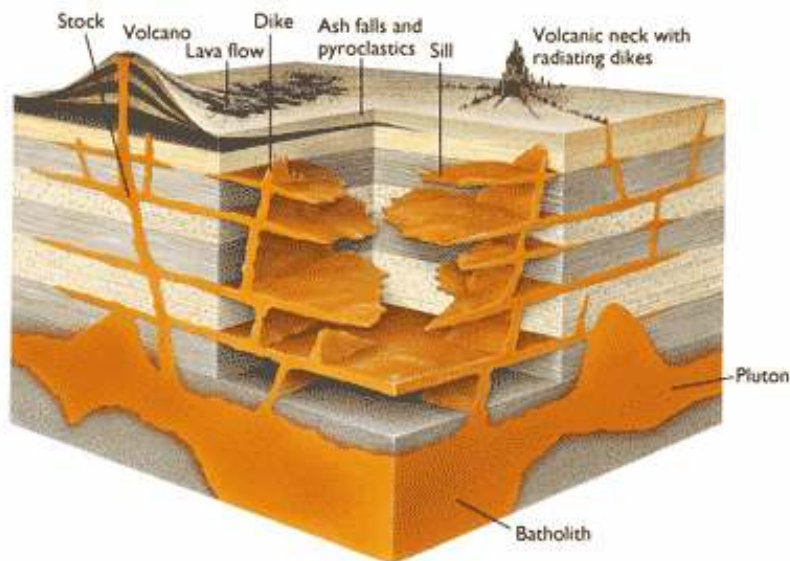


- \* **The longer it takes for magma or lava to \_\_\_\_\_, the more time mineral crystals have to grow and the \_\_\_\_\_ the texture of the resulting igneous rock.**

**Intrusive igneous rock (Plutonic) – The type of igneous rock that forms when magma cools and solidifies \_\_\_\_\_ the Earth’s surface.**

- **Usually has a \_\_\_\_\_ texture because it is insulated by the surrounding rock and cools slowly.**

**Types of Intrusive Igneous Bodies**



## **Extrusive igneous rock (Volcanic) –**

**The type of igneous rock that forms when lava cools and solidifies on the Earth's surface.**

**- Usually has a \_\_\_\_\_ texture because it cools quickly.**

- **When lava erupts from a volcano or comes out of long cracks in the Earth's surface (called \_\_\_\_\_) a formation called a \_\_\_\_\_ is made.**
- **When a large amount of lava flows out of a fissure covering a large area, a plain called a \_\_\_\_\_ is formed.**